

M 4.0, NORTHERN CALIFORNIA

Origin Time: Wed 2008-06-04 02:29:04 UTC

Location: 38.24°N 122.18°W Depth: 10 km

PAGER Version 1

Created: 7 mins, 13 secs after earthquake

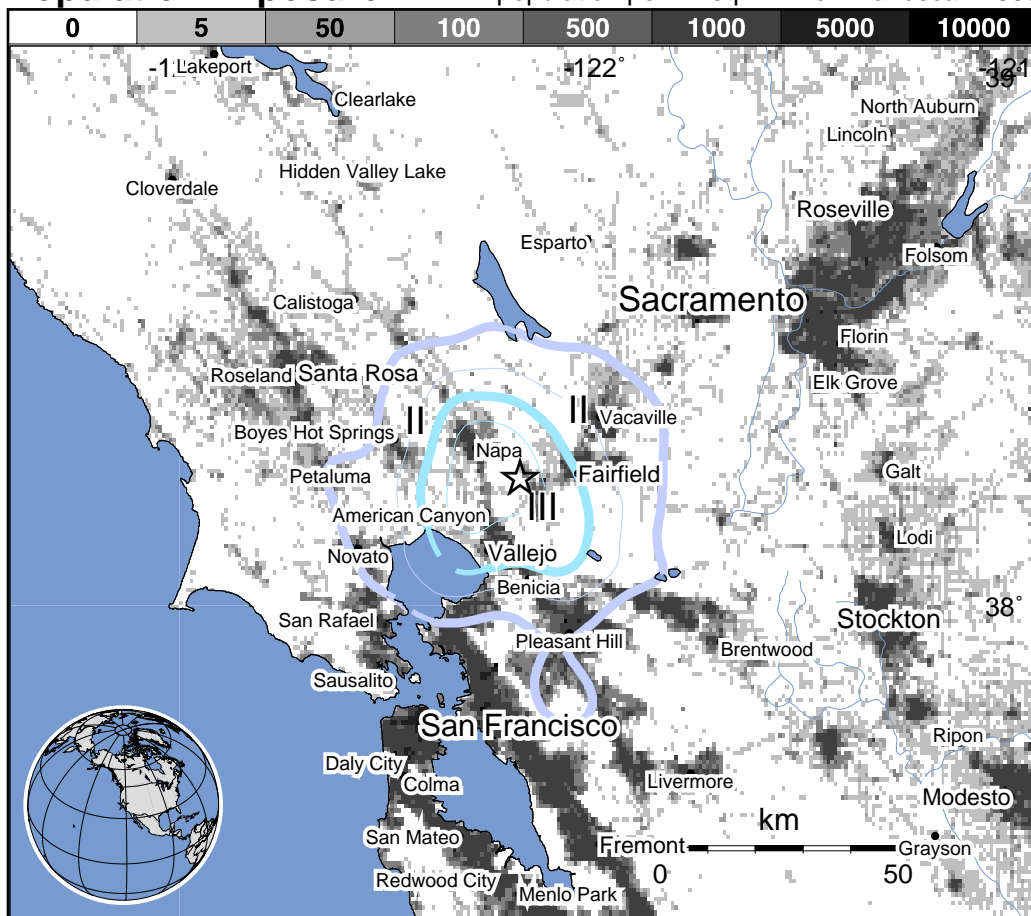
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		7,326k*	963k	30k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat 2006

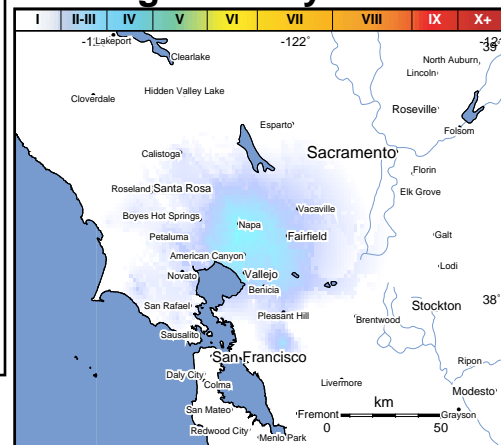


Selected City Exposure

MMI City	Population
IV Napa	77k
III Green Valley	1k
III American Canyon	15k
III Vallejo	120k
III Suisun City	27k
III Fairfield	105k
I San Francisco	732k
I Sacramento	467k
I Oakland	399k
I Stockton	289k
I Modesto	216k

bold cities appear on map (k = x1000)

Shaking Intensity



Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures. Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.